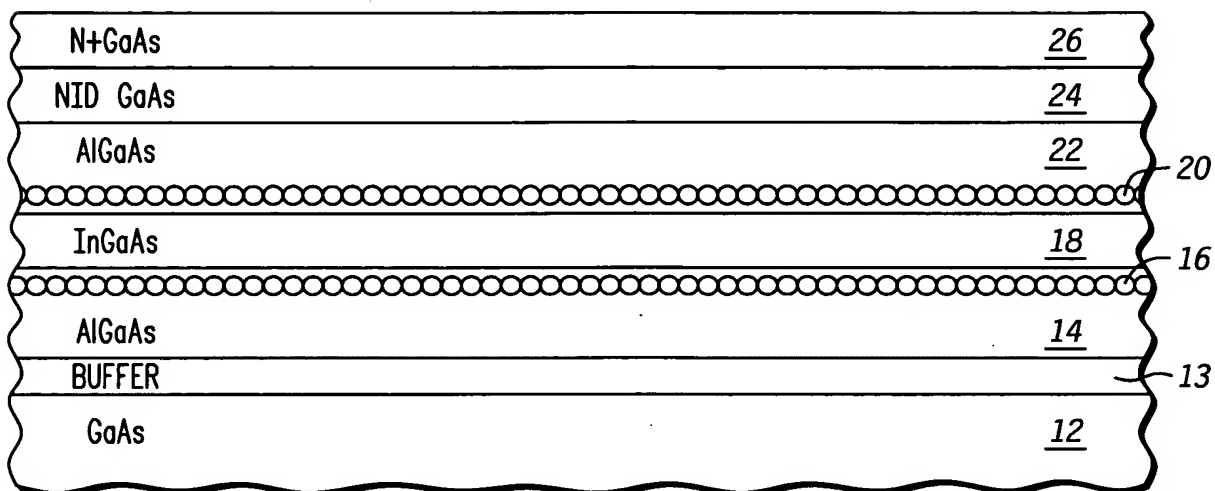
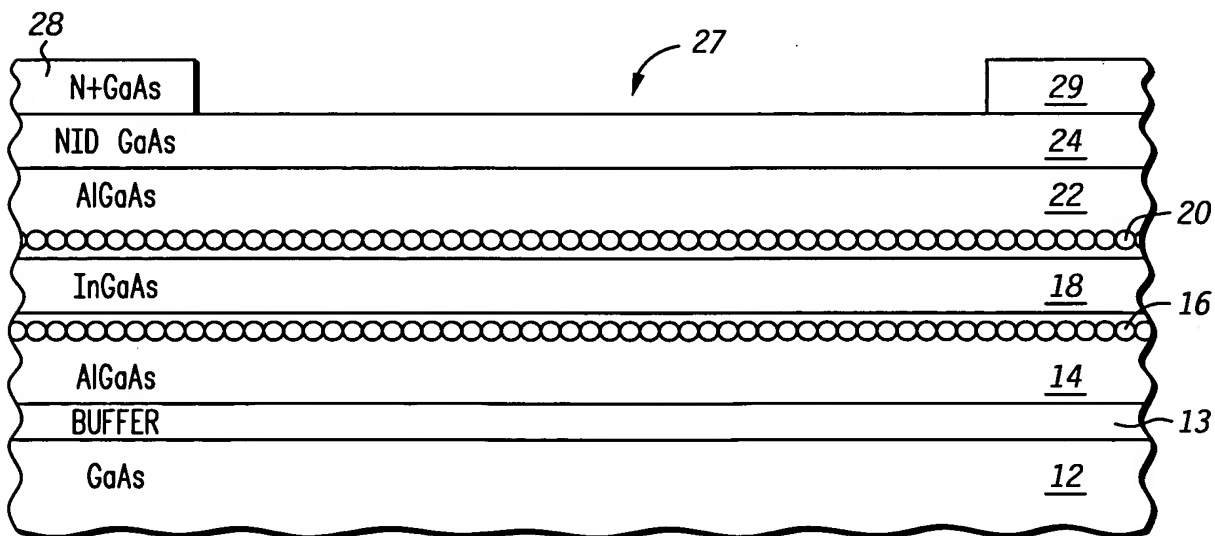


1/5

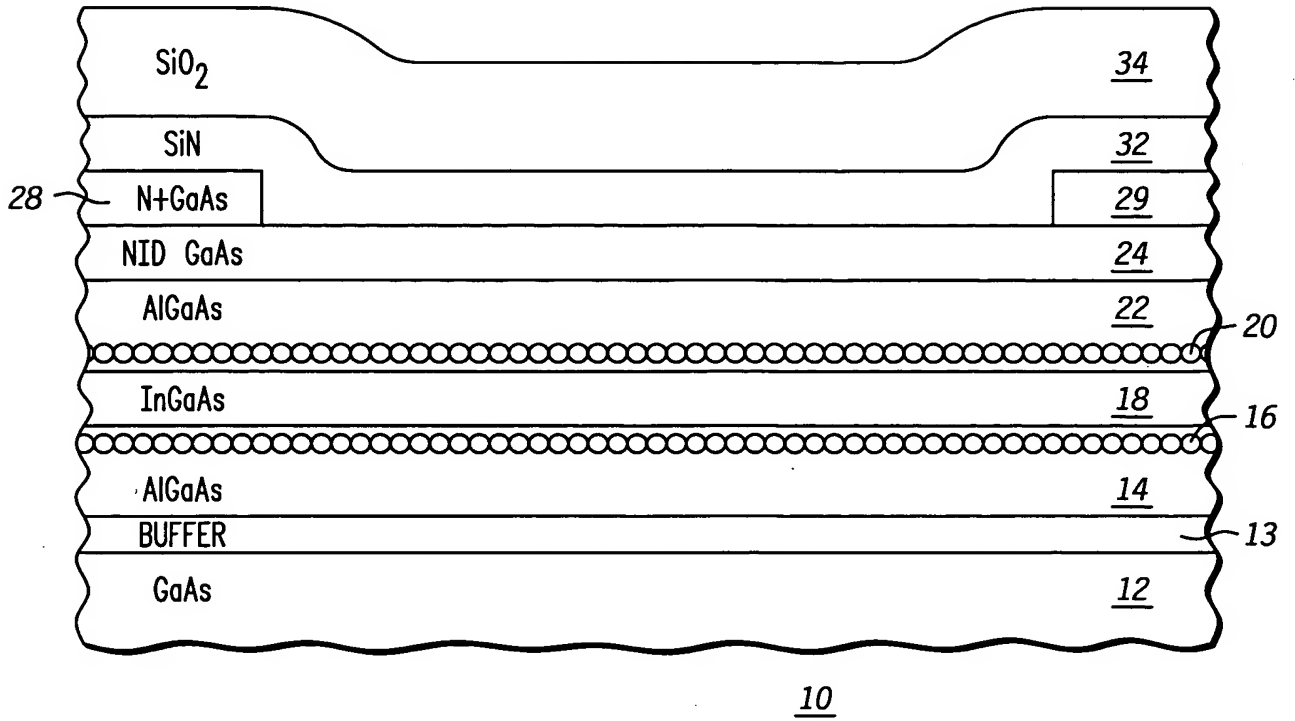


**FIG. 1**

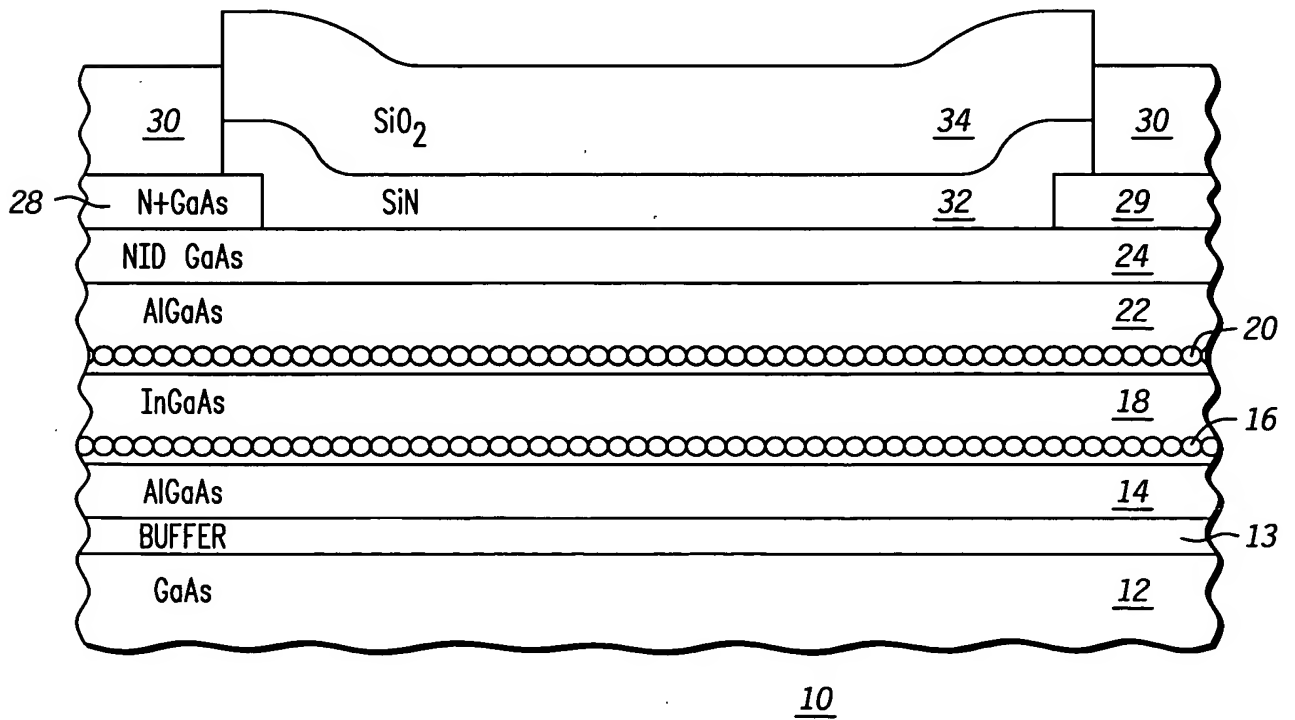


**FIG. 2**

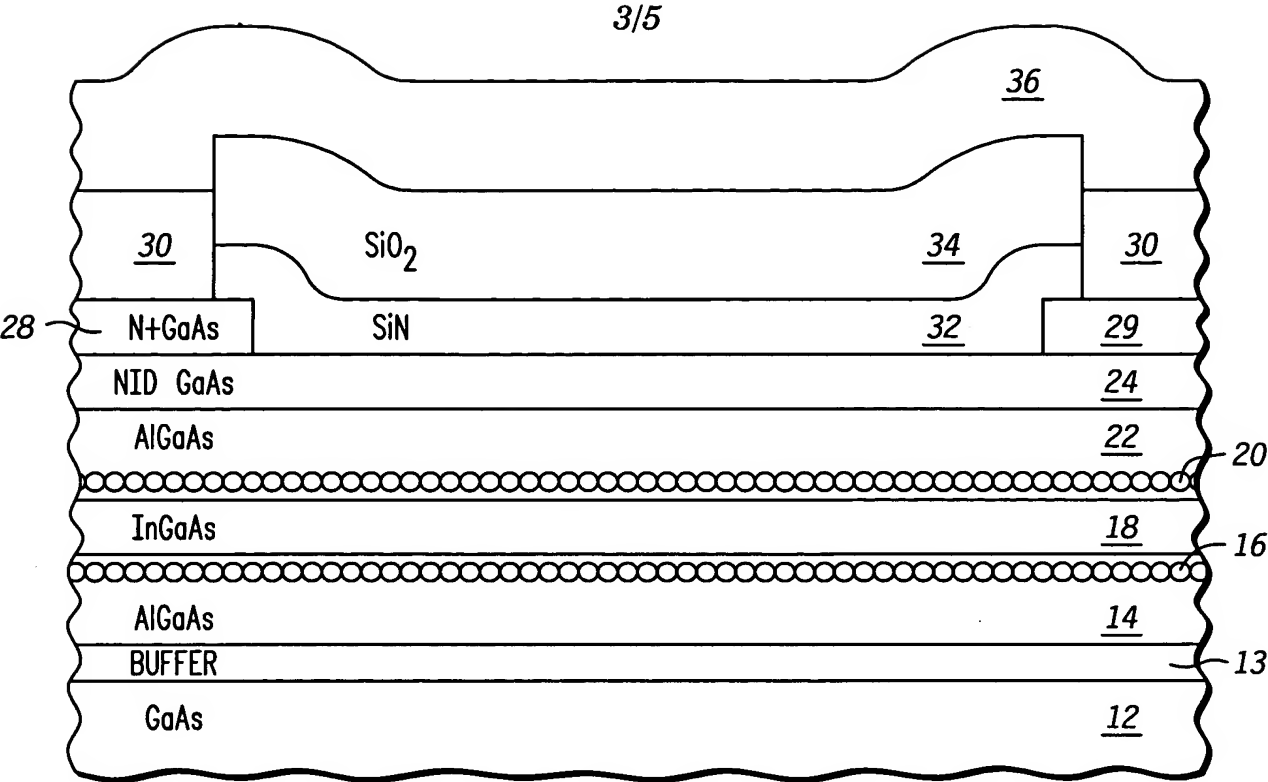
2/5



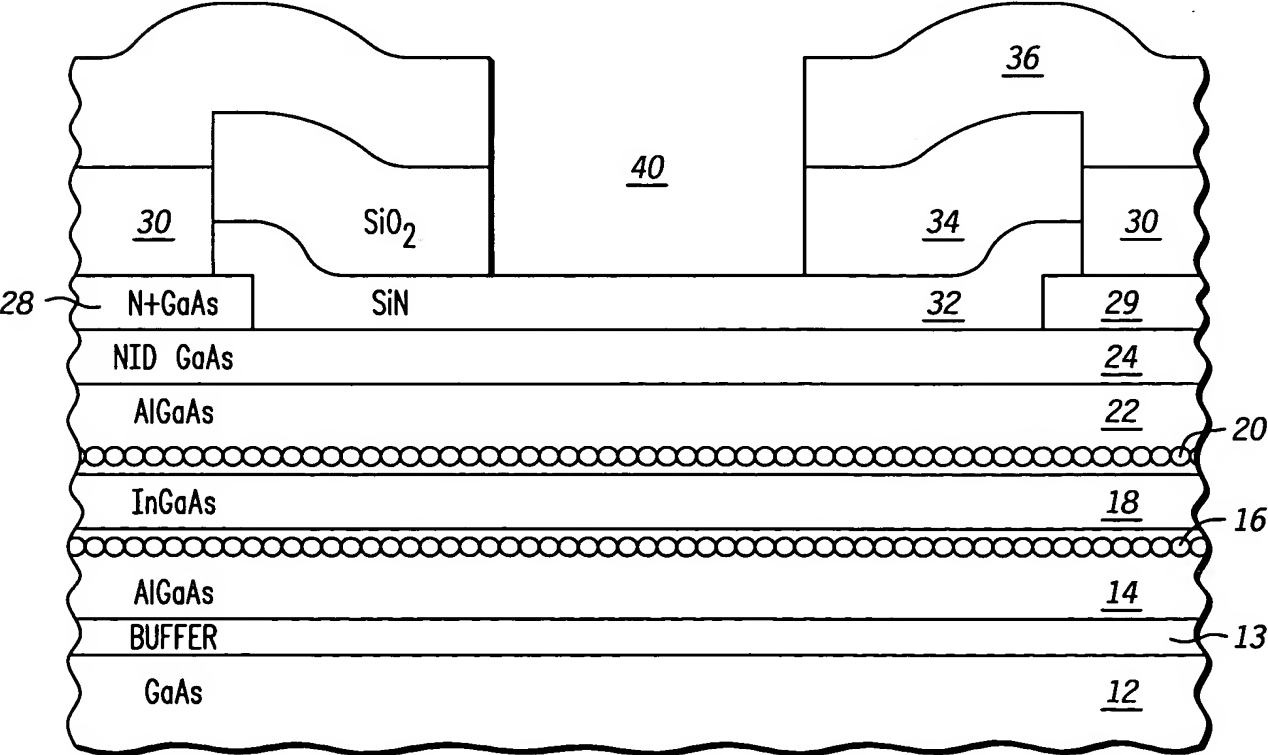
**FIG. 3**



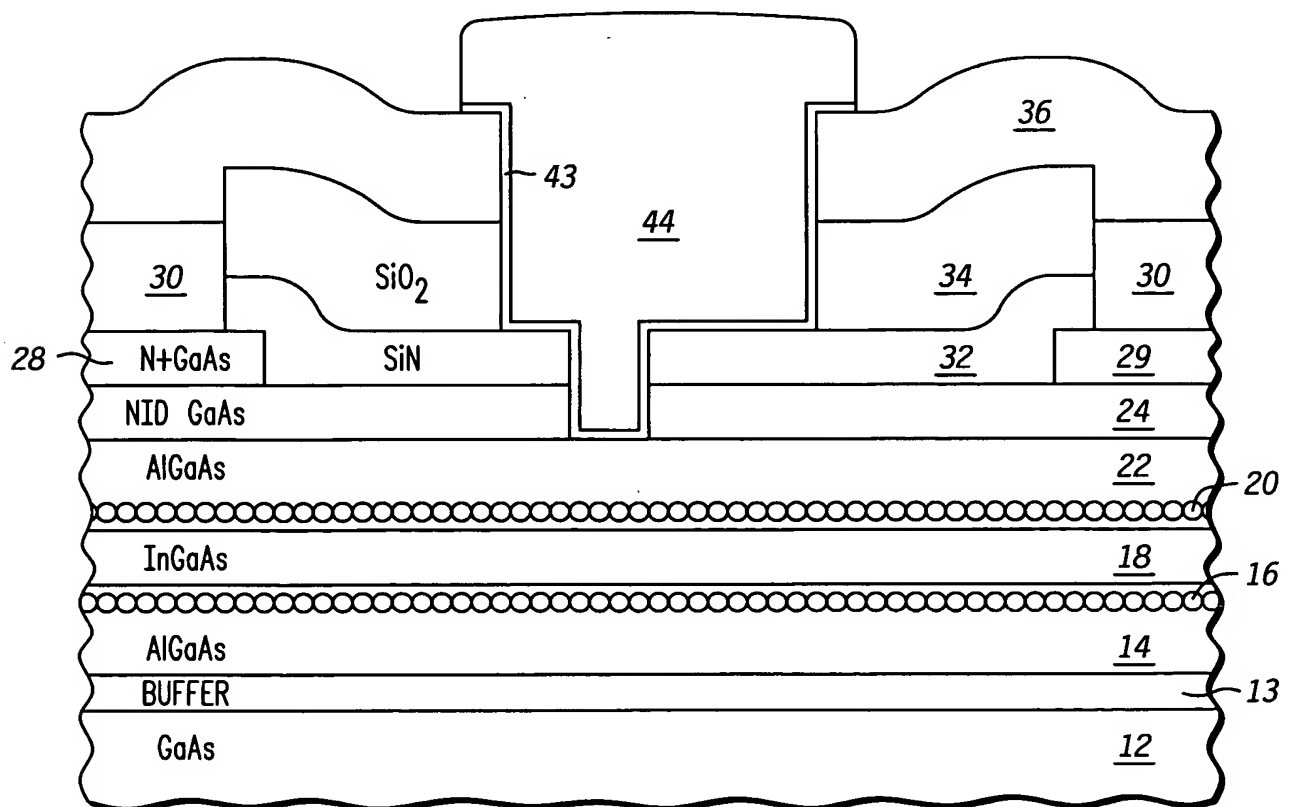
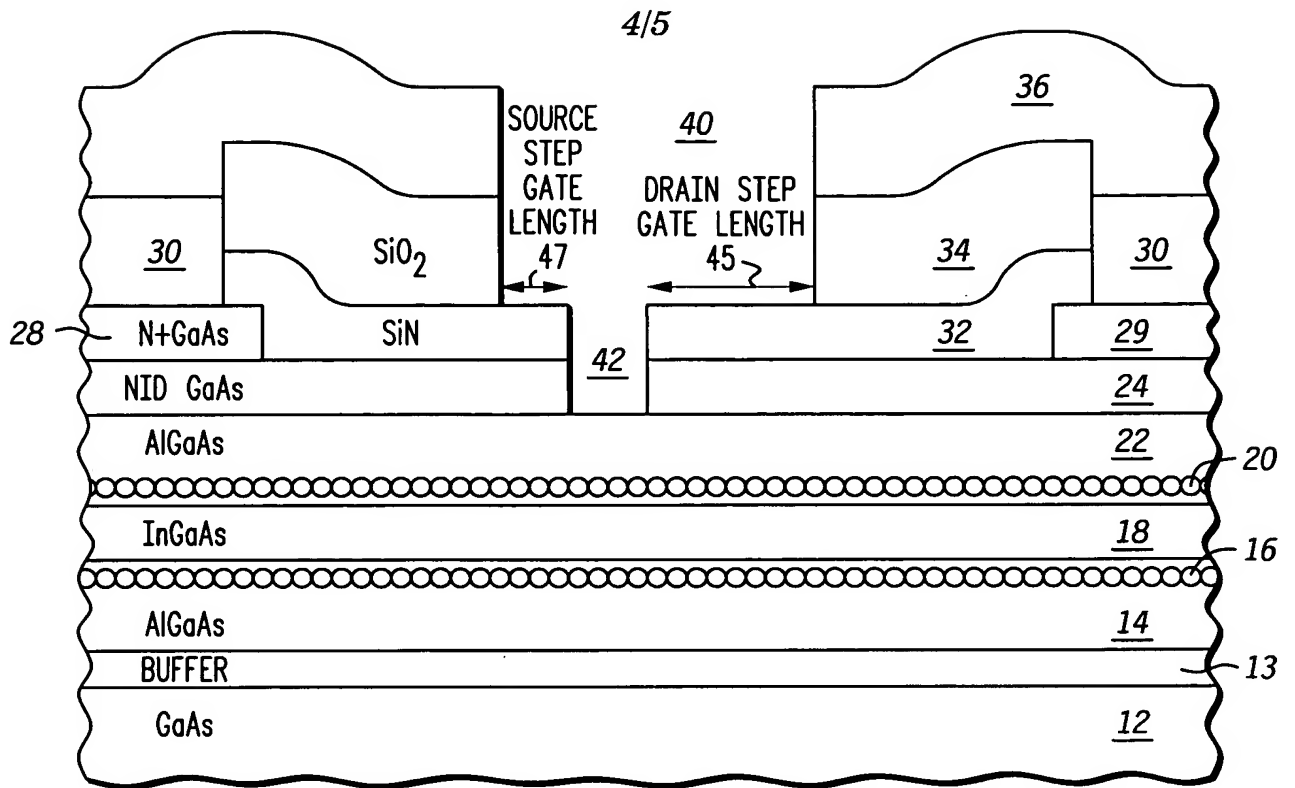
**FIG. 4**



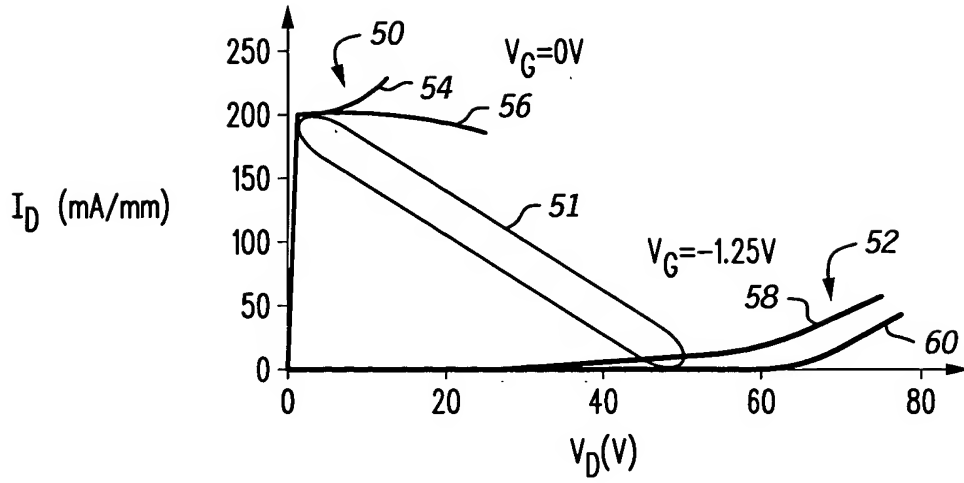
*FIG. 5* 10



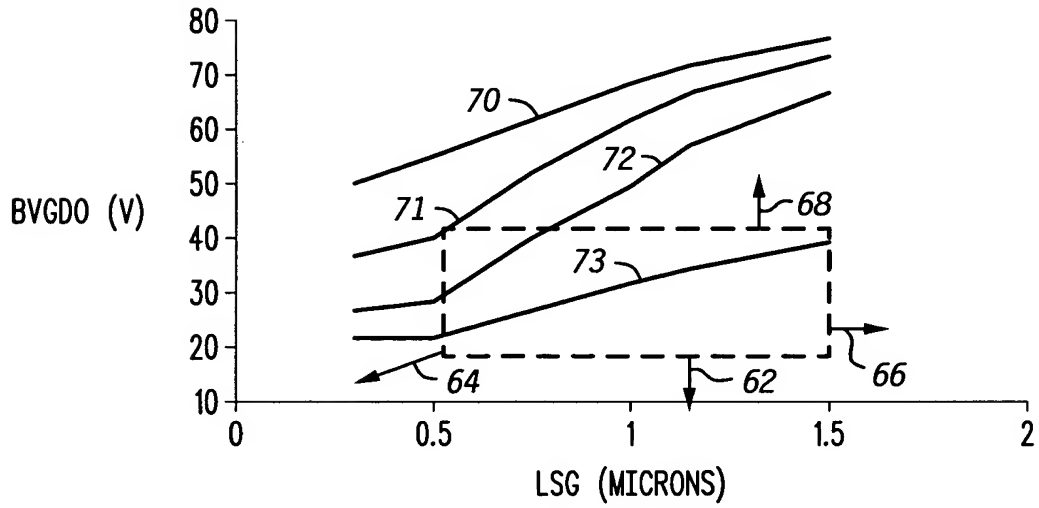
*FIG. 6* 10



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**FIG. 9**



**FIG. 10**

STEP GATE LENGTH ( $\mu\text{m}$ )	GAIN (MAX POWER TUNING) (dB)	PSAT (MAX POWER TUNING) (W/mm)	PAE (MAX POWER TUNING) (%)	IG@SMALL SIGNAL (mA/mm)	BVGDO (V)
0.5	11.5	1.71	58	-0.7	24
0.8	11	1.67	57	-0.1	31
1.2	10.2	1.53	53	-0.005	37

**FIG. 11**